

Title (en)

PISTON FOR A RECIPROCATING PISTON COMBUSTION ENGINE

Title (de)

KOLBEN FÜR EINE HUBKOLBEN-VERBRENNUNGSKRAFTMASCHINE

Title (fr)

PISTON POUR UN MOTEUR À COMBUSTION INTERNE ALTERNATIF

Publication

EP 3208453 B1 20201118 (DE)

Application

EP 17153761 A 20170130

Priority

DE 102016001926 A 20160218

Abstract (en)

[origin: US2017241373A1] The present disclosure relates to a piston for a reciprocating-piston internal combustion engine, comprising a piston head and a piston barrel, wherein the piston head has an encircling ring belt with at least one ring groove for a piston ring and has, in the region of the ring belt, an encircling cooling duct. The cooling duct extends from the ring belt as far as a wall of the piston barrel in order to increase an oil film temperature of the oil film in the cylinder liner between the piston barrel and cylinder and to thereby reduce the piston barrel friction.

IPC 8 full level

F01P 3/06 (2006.01); **F02F 3/22** (2006.01); **F01M 1/16** (2006.01); **F02F 3/00** (2006.01)

CPC (source: CN EP KR RU US)

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Citation (examination)

- GB 493126 A 19380930 - LOUIS BIRKIGT
- DE 733038 C 19430318 - MAHLE KG

Cited by

DE102017130961A1; WO2023118534A1

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DOCDB simple family (application)

EP 17153761 A 20170130; BR 102017003087 A 20170215; CN 201710083778 A 20170216; DE 102016001926 A 20160218; KR 20170019920 A 20170214; RU 2017104922 A 20170216; US 201715433709 A 20170215